THERMAL VISION MONOCULAR OTIS-14

The OTIS-14 is a thermal system intended for law enforcement, military and commercial uses. It is built around state of the art uncooled thermal imaging technology, highly integrated DSP-based electronics and a compact, light weight system.

The OTIS-14 thermal monocular provides the excellent image quality that is unaffected by lights or shadows that seriously hamper the image quality of image intensified night vision. Total darkness, camouflage or bright lights will not affect the sensitivity of these units.

The included and optional accessories provide for the versatility of the monocular. You can put it on a headset or on a helmet, connected to another monocular to build a binocular system etc.

The ATN OTIS-14's superior performance, compact size, comfort of wear and cost efficiency makes it the perfect thermal imaging device.

Without OTIS-14

With OTIS-14

Features:

- High resolution digital thermal imaging
- Compact, light weight and durable housing
- Lightweight
- Ruggedized Hands
- Free Use Extended
- Head and helmet mountable
- High Quality optics
- Video and computer output
- Video/Image polarity selection, white-hot or black-hot
- Waterproof
- One Year Warranty

Specifications:

Magnification	1,8X
Objective Focal Length	25 mm
FOV	11° x 8°
Focus Range	from 1m to infinity
Focus Adjustment	Manual
Exit Pupil	14mm
Eye Relief	25mm
Detector Type	Uncooled Microbolometer
Spectral Response	7-14 µm
Pixels	160 x 120
Pixel Size	30 x 30 µm
Angular Resolution, mrad	1,2
Thermal Sensitivity	< 0,1°C
Range to Detect a Human	475 m
Output Format	Analog PAL / NTSC
Display	OLED matrix
Display Format	SVGA, 852 x 600 pxl
Color	Monochrome
Digital ZOOM	Fixed 2x (optional 5x)
Brightness Adjustment	Manual
Contrast Adjustment	Automatic
Available User Interfaces	From outside PC through USB interface
Power Supply	2 x 3V, 123Atype
Start-Up Time	< 3 sec
Operating Time w/one battery pack	4 hrs
External Power Supply	DC 6V, 500 mA
Operating Temperature Range	from -20°C to +50°C
Waterproof	Yes, up to 10m submersion
Dimensions	118 x 78 x 54 mm
Weight (w/batteries)	0,34 kg

Basic Kit includes:

- Monocular
- 2 batteries CR123A type
- Objective Lens Cap
- Eyecap
- Video Cable
- PC Cable
- Manual
- Software CD

Options:

- Head Mount
- Helmet Mount
- Adapter
- Dual Bridge

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